

**LOCK ENGAGING-AND-DISENGAGING MECHANISM****ABSTRACT**

5 A lock engaging-and-disengaging mechanism, having: a driving tube, containing at least one hole on the inner wall of the tube, and a key driven tube, flexibly installed to the inner tube portion of the first end of the driving tube, and containing at least one hole on the wall of the tube; a sideways component, being installed in the hole on the key driven tube, and allowing the options of locking or not locking with the hole on the driving tube, an axially sliding component, being inserted inside the key driven tube, which containing a non-axial slot, a rotatable component, being inserted inside the axially sliding component, which  
10 containing a pin dipping into the non-axial slot of axially sliding component, by means of the rotational action of the rotatable component, enabling coactions of the pin of axially sliding component and the non-axial slot of axially sliding component, so as to make axially sliding component generate axial displacement, in order to control the movement of the sideways component that is installed on the key driven tube.